March 6 - 7, 2012 FIFRA SAP Meeting
FQPA Science Review Board Members
Biographical Sketches

Dr. Mark Feldlaufer is currently a Research Entomologist with the United States Department of Agriculture's (USDA) Agricultural Research Service Invasive Insect Biocontrol and Behavior Laboratory. He received his Bachelor of Science and Master of Science degrees from Rutgers College and his Doctorate from the University of California-Davis. After postdoctoral research at Cornell's New York State Agricultural Experiment Station in Geneva, NY, he joined USDA's Agricultural Research Service (ARS) in Beltsville, MD. As Research Leader of the ARS Bee Research Laboratory, he led his Agency's effort that resulted in the U.S. Food and Drug Administration (FDA) approval of a new antibiotic to control a devastating bacterial disease of honey bees. For this effort he was awarded the FDA's "Commissioner's Special Citation", and received recognition for "Excellence in Technology Transfer" from the Federal Laboratory Consortium (FLC). Since 2009, as a member of the Invasive Insect Biocontrol & Behavior Laboratory, Dr. Feldlaufer has devoted his research effort toward mitigating the impact of bed bugs by identifying new compounds effective in controlling these blood-sucking pests. He also was part of the effort that created a comprehensive literature database on bed bug biology and control that is available to the public through the Armed Forces Pest Management Board web site.

Dr. Jody Gangloff-Kaufmann is an Entomologist and a Senior Extension Associate for the New York State Integrated Pest Management (IPM) Program at Cornell University and a Faculty Fellow in the Atkinson Center for a Sustainable Future. She earned her Doctorate at Cornell University in the field of vegetable entomology, working with onion thrips in onions. She went on to specialize in IPM for urban and public health pests such as wasps, ants, ticks and bed bugs. Located on Long Island, she has worked closely with government and non-profit agencies in the City of New York, Long Island, Westchester and surrounding communities to advance the awareness about bed bugs and other urban pests. This work involves the development of protocols, guidelines and recommendations for the best treatment practices for urban pests. Dr. Gangloff-Kaufmann chaired the New York City Bed Bug Advisory Board and currently serves as an urban entomologist on the Nassau County Bed Bug Task Force.

Dr. Edward Gbur is currently Director of the Agricultural Statistics Laboratory and a Professor of Statistics in the College of Agricultural, Food and Life Sciences at the University of Arkansas. He received a Master of Science degree in mathematics and a Doctorate in statistics from The Ohio State University. He is member and Fellow of the American Statistical Association and a member of the International Biometric Society and the Institute of Mathematical Statistics. His current research interests include experimental design, generalized linear mixed models, regression modeling, spatial statistics, stochastic modeling, and applications of statistics in the agricultural sciences. Dr. Gbur has co-authored approximately 130 refereed articles in statistics and a variety of subject matter journals. He is also lead author of a book entitled "Analysis of Generalized Linear Mixed Models in the Agricultural and Natural Resources Sciences" published in 2012 by the American Society of Agronomy. Dr. Gbur has taught a variety of theoretical and applied statistics courses at both the undergraduate and graduate level. He served as a referee for both statistics and subject matter discipline journals.

Dr. Matthew Kramer is currently a Statistician with the United States Department of Agriculture's (USDA) Agricultural Research Service. He received a Master of Science in statistics and a Doctorate in zoology from the University of Tennessee. Dr. Kramer's professional areas of interest include experimental design, spatial and times series modeling, animal behavior and quantitative genetics. He serves as consulting editor in statistics for several professional journals and, since 1992, he has authored or co-authored over 50 journal articles in a variety of subject matter journals. He has received a number of governmental honor awards for his contributions in the area of statistics for several efforts, including contributions to the control of American Foulbrood Disease of honey bees. Dr. Kramer teaches several statistics classes through the USDA Agricultural Research Service in Beltsville, MD. He is a coauthor of the 2012 book, "Analysis of Generalized Linear Mixed Models in the Agricultural and Natural Resources Sciences".

Dr. Alvaro Romero is currently Assistant Professor at New Mexico State University. He received his Doctor of Veterinary Medicine from the National University of Colombia in 1995. He received a Master of Science in Entomology from Kansas State University in 2005, and a Doctorate in Entomology from the University of Kentucky in 2009, where he worked on the biology and management of bed bugs. Dr. Romero has studied bed bugs extensively since 2005. Important achievements of his research on bed bugs include standardization of an artificial feeding system for bed bugs, examination of the susceptibility of populations of bed bugs to commonly used insecticides, study of circadian rhythms in bed bugs, and involvement in a project to establish the extent of knockdown resistance mutations in bed bug populations in the United States. Detection of resistance to pyrethroid pesticides in many bed bug populations, and diffusion of this information to the scientific community, industry and stakeholders had a major influence on the way pesticides are selected and bed bug infestations are managed today. Dr. Romero also conducted insecticide–related studies including sub-lethal effects of insecticides to understand the overall impact of insecticide treatment in bed bug management programs. His research focuses on chemical and non-chemical control of bed bugs. He is also interested in exploring new approaches for monitoring and controlling bed bugs.

Dr. Michael Siva-Jothy is currently Professor of Entomology in the Department of Animal and Plant Sciences at the University of Sheffield, UK. He received his Bachelor of Science degree from the University College London and his Doctorate from the University of Oxford. His research interests are largely focused on sexual conflict, ecological immunology, and interactions between reproduction and immunity using insect models. His current research with bed bugs involves examining the reproductive physiology and biology of key members of the Cimicidae family, quantifying costs and benefits of traumatic insemination to males and females and identifying the role of the spermalege in the Cimicidae, constructing a phylogeny of the Cimicidae and examining prophylactic immunity in female cimicids. He has published a number of articles concerning his research with bed bugs in various scientific journals and has given many plenary lectures and keynote presentations internationally since 2001. In addition to his teaching and research responsibilities, Dr. Siva-Jothy serves on the editorial boards of several journals.

Dr. Rajeev Vaidyanathan is Associate Director for Vector Biology and Zoonotic Diseases at SRI International, the Center for Infectious Disease and Biodefense Research, in Harrisonburg, Virginia. Dr. Vaidyanathan completed degrees in Entomology from Cornell University and the University of Massachusetts. He earned his Doctorate in Parasitology at the Hebrew University of Jerusalem, Hadassah Medical School, and was a postdoctoral fellow in Strasbourg, France, and the University of California at Davis. Since he joined SRI International in 2007, he has developed and sustained programs in insecticidal target discovery and bed bug biology. He has received accolades for his teaching, including the Benjamin Gordon Prize for Excellence in Teaching from the Hebrew University and the Distinguished Lectureship Award from Lakehead University. He has served on grant review committees at the National Institutes of Health-National Institute of Allergy and Infectious Diseases and the National Sciences and Engineering Research Council of Canada. Dr. Vaidyanathan has organized symposia on mosquitoes and bed bugs at annual meetings of the American Society of Tropical Medicine and Hygiene. Most recently, he was interviewed on "Science Friday" on National Public Radio on bed bug biology and control.